

Access DB# 84212

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Michael J. ... Examiner #: 67791 Date: 1/15/02
Art Unit: 1761 Phone Number 301-4311 Serial Number: 09/007530
Mail Box and Bldg/Room Location: CP3 829 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

US 6,013,571

STAFF USE ONLY

Searcher: Michael J. ...

Searcher Phone #: 24483

Searcher Location: _____

Date Searcher Picked Up: 1/15/03

Date Completed: 1/15/03

Searcher Prep & Review Time: 2

Clerical Prep Time: _____

Online Time: 7

Type of Search

NA Sequence (#) _____

AA Sequence (#) _____

Structure (#) _____

Bibliographic _____

Litigation ☒

Fulltext _____

Patent Family _____

Other _____

Vendors and cost where applicable

STN _____

Dialog _____

Questel/Orbit 2820

Dr.Link _____

Lexis/Nexis 4000

Sequence Systems _____

WWW/Internet _____

Other (specify) _____

Mellerson, Kendra

From: Knode, Marian
Sent: Wednesday, January 15, 2003 7:59 AM
To: STIC-EIC1700
Subject: Litigation Search Needed for SN 09/007930, US PAT 6013591

Good morning!

I would like to request a litigation search for SN 09/007930, US PAT 6013591. Please deliver to my mailbox in 8D19.
Thanks,

Marian C. Knode

SPRE
703-308-4311

Current session 15/01/2003

(C) QUESTEL 1994

QUESTEL.ORBITE (TM) 1998

15/01/03 15*01*51

Last connection: 13/01/03 20*26*43

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Query/Command : FILE PLUSPAT

QUESTEL - Time in minutes : 0,63

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Selected file: PLUSPAT

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New Patent Citation Commands & FAM Citation Report - see INFO PATCITE

Last update of file: 2003/01/03 (YYYY/MM/DD) 2003-01/UP (basic update)

Search statement 1

Query/Command : US6013591/PN

** SS 1: Results 1

Search statement 2

Query/Command : PRT FULL NONSTOP LEGALALL

1/1 PLUSPAT - ©QUESTEL-ORBIT

PN - US6013591 A 20000111 [US6013591]

TI - (A) Nanocrystalline apatites and composites, prostheses incorporating them, and method for their production

PA - (A) MASSACHUSETTS INST TECHNOLOGY (US)
IN - (A) NAKAHIRA ATSUSHI (JP); YING JACKIE Y (US); AHN EDWARD S (US)
AP - US793098 19980116 [1998US-0007930]
PR - US793098 19980116 [1998US-0007930]
 US3553597P 19970116 [1997US-P035535]
IC - (A) A61F-002/28 C01B-015/16 C04B-035/01
EC - A61L-027/12
 A61L-027/32
 C04B-035/447
ICO - K61F-002/00A6B2Z
 K61F-002/00A6E
 K61F-002/00L22E
PCL - ORIGINAL (O) : 501001000; CROSS-REFERENCE (X) : 106035000 423308000
 423311000 424422000 424423000 427002270 428689000 428704000 623023710
 623023760
DT - Basic
CT - US4097935; US4195366; US4207306; US4330514; US4497075; US5030474; US5134009;
 US5405436; US5427754; US5470803; US5501706; US5522893; US5542973; US5545254;
 US5667796
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M. Akao, et al., "Dense Polycrystalline .beta.-Tricalcium Phosphate For Prosthetic
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 Form", J. of Materials Science, 11, pp. 2027-2035 (1976), no month.

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STG - (A) United States patent
AB - Methods for synthesis of nanocrystalline apatites are presented, as well as a series of specific reaction parameters that can be adjusted to tailor, in specific ways, properties in the recovered product. Particulate apatite compositions having average crystal size of less than 150 nm are provided. Products also can have a surface area of at least 40 m²/g and can be of high density. Hydroxyapatite material is investigated in particular detail. Compositions of the invention can be used as prosthetic implants and coatings for prosthetic implants.

1 / 1 LGST - ©LEGSTAT

PN - US 6013591 [US6013591]
AP - US 7930/98 19980116 [1998US-0007930]
DT - US-P
ACT - 19980116 US/AE-A
APPLICATION DATA (PATENT)
US 7930/98 19980116 [1998US-0007930]

20000111 US/A
PATENT

20020917 US/RF
REISSUE APPLICATION FILED
20020111
UP - 2002-38

1 / 1 CRXX - ©CLAIMS/RRX

PN - 6,013,591 A 20000111 [US6013591]
PA - Massachusetts Institute of Technology
ACT - 20020111 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20020917
REISSUE REQUEST NUMBER: 10/044801
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 1755

Reissue Patent Number:

1 / 1 PAST - ©Thomson Derwent

AN - 200238-001672
PN - 6013591 A [US6013591]
OG - 2002-09-17
ACT - REISSUE APPLICATION FILED

Query/Command : FILE INPADOC

PLUSPAT - Time in minutes : 0,43

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LGST - Time in minutes : 0,08

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CRXX - Time in minutes : 0,06

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	Estimated cost :	5.00 USD
Cost estimated for the last database search :		5.09 USD
Estimated total session cost :		8.62 USD

PAST - Time in minutes : 0,05

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	Estimated cost :	0.10 USD
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Cost estimated for the last database search :		6.02 USD
Estimated total session cost :		14.64 USD

LITA - Time in minutes : 0,00

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Estimated total session cost :		14.64 USD
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Selected file: INPADOC

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Search statement 1

Query/Command : FAM US6013591/PN

1 Patent Groups

**** SS 1: Results 1**

Search statement 2

Query/Command : FAMSTATE NONSTOP

1 / 1 INPADOC - ©INPADOC

PN - US 6013591 A 20000111 [US6013591]
TI - NANOCRYSTALLINE APATITES AND COMPOSITES, PROSTHESES
INCORPORATING THEM, AND METHOD FOR THEIR PRODUCTION
IN - YING JACKIE Y [US]; AHN EDWARD S [US]; NAKAHIRA ATSUSHI [JP]
PA - MASSACHUSETTS INST TECHNOLOGY [US]
AP - US 7930/98-A 19980116 [1998US-0007930]
PR - US 7930/98-A 19980116 [1998US-0007930]
US 35535/97-P 19970116 [1997US-P035535]
IC - C01B-015/16; A61F-002/28; C04B-035/01

1 / 1 LEGALI - ©LEGSTAT

PN - US 6013591 [US6013591]
AP - US 7930/98 19980116 [1998US-0007930]
DT - US-P
ACTE - 19980116 US/AE-A
APPLICATION DATA (PATENT)
US 7930/98 19980116 [1998US-0007930]

20000111 US/A
PATENT

20020917 US/RF
REISSUE APPLICATION FILED
20020111
UP - 2002-38

PATNO IS 6013591

DATE: JANUARY 15, 2003
LIBRARY: PATENT
FILE: ALL

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PATNO IS 6013591

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LEVEL 1... 1

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LEVEL 1 - 1 PATENT

1. 6013591 , January 11, 2000 , Nanocrystalline apatites and composites, prostheses incorporating them, and method for their production, Ying, Jackie Y., Winchester, MA; Ahn, Edward S., Cambridge, MA; Nakahira, Atsushi, Kyoto, JP, 007930 (00), Massachusetts Institute of Technology, Cambridge, MA

CORE TERMS: sub, hydroxyapatite, apatite, nanocrystalline, sintering, concentration, particle, powder, sup, aging ...

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6013591

<=1> GET 1st DRAWING SHEET OF 6

January 11, 2000

Nanocrystalline apatites and composites, prostheses
incorporating them, and method for their production

REISSUE: January 11, 2002 - Reissue Application filed Ex. Gp.: 1755; Re. S.N.
10/044,801 (O.G. September 17, 2002)

APPL-NO: 007930 (00)

FILED-DATE: January 16, 1998

GRANTED-DATE: January 11, 2000

CORE TERMS: sub, hydroxyapatite, apatite, nanocrystalline, sintering,
concentration, particle, powder, sup, aging ...

ENGLISH-ABST:

Methods for synthesis of nanocrystalline apatites are presented, as well as a series of specific reaction parameters that can be adjusted to tailor, in specific ways, properties in the recovered product. Particulate apatite compositions having average crystal size of less than 150 nm are provided. Products also can have a surface area of at least 40 m.sup.2 /g and can be of high density.<P><P> Hydroxyapatite material is investigated in particular detail. Compositions of the invention can be used as prosthetic implants and coatings for prosthetic implants.

6013591 OR 6,013,591

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